

Amendments to the Claims:

Please cancel claims 1 to 4 as presented in the underlying International Application No. PCT/EP2004/012054 without prejudice.

Please add the following new claims as indicated in the listing of claims below.

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1 to 4 (canceled).

Claim 5 (new): A fuel cell system for mobile use comprising:
a fuel cell unit for generating electrical energy;
a cooling circuit assigned to the fuel cell unit and having a heat exchanger downstream of the fuel cell unit;
an adsorption accumulator assigned to the fuel cell unit for releasing heat, the adsorption accumulator being operatively thermally connected to the heat exchanger; and
a line connecting the fuel cell unit to the adsorption accumulator, the line capable of feeding fuel cell waste products to the adsorption accumulator.

Claim 6 (new): The fuel cell unit as recited in claim 5 wherein the adsorption accumulator includes at least one of a zeolite, a silica gel and a metal hydride.

Claim 7 (new): A method for operating a fuel cell system for mobile use, the fuel cell system including a fuel cell unit for generating electrical energy, a cooling circuit assigned to the fuel cell unit and having a heat exchanger downstream of the fuel cell unit, an adsorption accumulator assigned to the fuel cell unit for releasing heat, the adsorption accumulator being operatively thermally connected to the heat exchanger, and a line connecting the fuel cell unit to the adsorption accumulator, the line capable of feeding fuel cell waste products to the adsorption accumulator, the method comprising:

when the fuel cell system is starting up, heating coolant in the cooling circuit via the heat exchanger using heat stored in the adsorption accumulator, with the fuel cell waste products products being fed to the adsorption accumulator at the same time, the fuel cell waste products including waste gas, and

in normal operation, feeding heat to the adsorption accumulator via the heat exchanger.

Claim 8 (new): The method as recited in claim 7 wherein the adsorption accumulator includes at least one of a zeolite, a silica gel and a metal hydride.